

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	HYDROLOGIC SERVICE AREA: Pocatello, Idaho
	REPORT FOR: MONTH: December YEAR: 2007
TO: Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	SIGNATURE Sherrie Hebert Service Hydrologist
	DATE: January 16, 2008
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> X </div>	An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.
---	--

Winter finally made its arrival to Eastern Idaho in December. In contrast to an exceptionally dry and warm November, much of the Pocatello Hydrologic Service Area (HSA) received closer-to-normal precip amounts.

Other Hydrologic Interests

Precipitation

Precipitation was near normal for much of the Pocatello HSA in December. The entire HSA received an average of 119% of normal precipitation for 37 of 43 reporting stations with climate data, according to Western Region Climate Center data. Topping the “above-normal precipitation” list of 15 stations was Tetonia at 228% and Blackfoot second 183% of normal. Arco and American Falls received the least with 29% and 20% of normal, respectively. One-day precip and snow records were set at the following ASOS sites in Eastern Idaho.

Idaho Falls

Dec. 24: Rainfall of 0.36 inches breaks the old record of 0.34 inches in 1955

Pocatello

Dec. 10: Snowfall of 1.9 inches breaks the old record of 1.6 inches in 1988

Dec. 24: Snowfall of 3.2 inches breaks the old record of 3.1 inches in 1983

Stanley

Dec. 20: Rainfall of 0.34 inches breaks the old record of 0.18 inches in 1969

Reservoirs

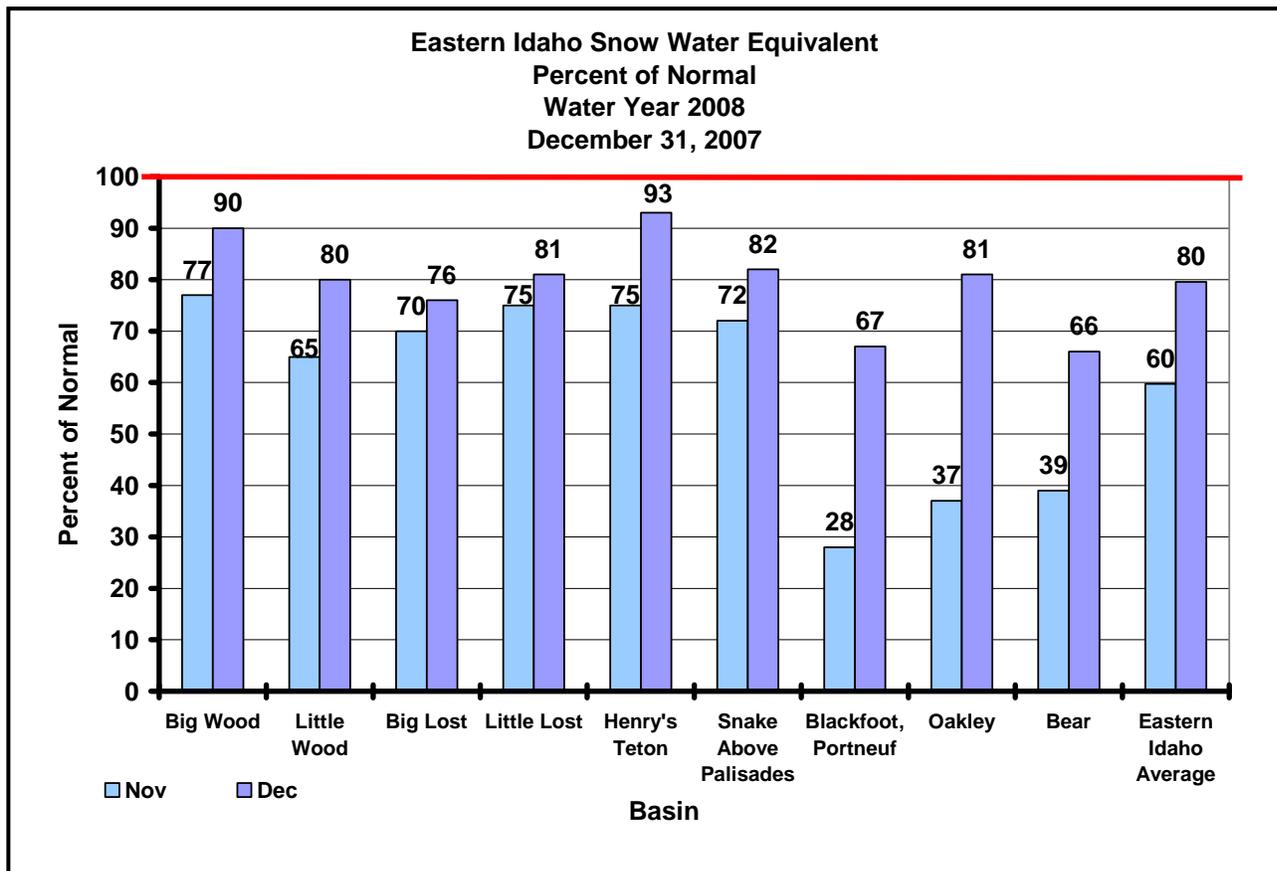
The Upper Snake River reservoir system is at 38% of capacity¹, up 8% from December 14, 2007².

Reservoir	% Capacity November 30 ³	% Capacity December 31 ⁴	Percent Change	% of Average ⁴	% of Last Year ⁴
American Falls	29	42	13	72	66
Bear Lake	24	24	0	38	66
Blackfoot	22	23	1	37	49
Henry's Lake	81	83	2	91	89
Island Park	41	55	14	78	69
Little Wood	23	31	8	67	44
Mackay	26	39	13	73	79
Magic	7	9	2	21	16
Oakley	29	30	1	89	60
Palisades	24	31	7	41	46
Ririe	44	46	2	108	97
Lake Walcott	101 ²	101 ¹	0	n/a	n/a
Milner	91 ²	99 ¹	8	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR), January 15, 2008; (2) BOR, December 14, 2007; (3) NRCS, November 30, 2007; (4) NRCS, December 31, 2007.

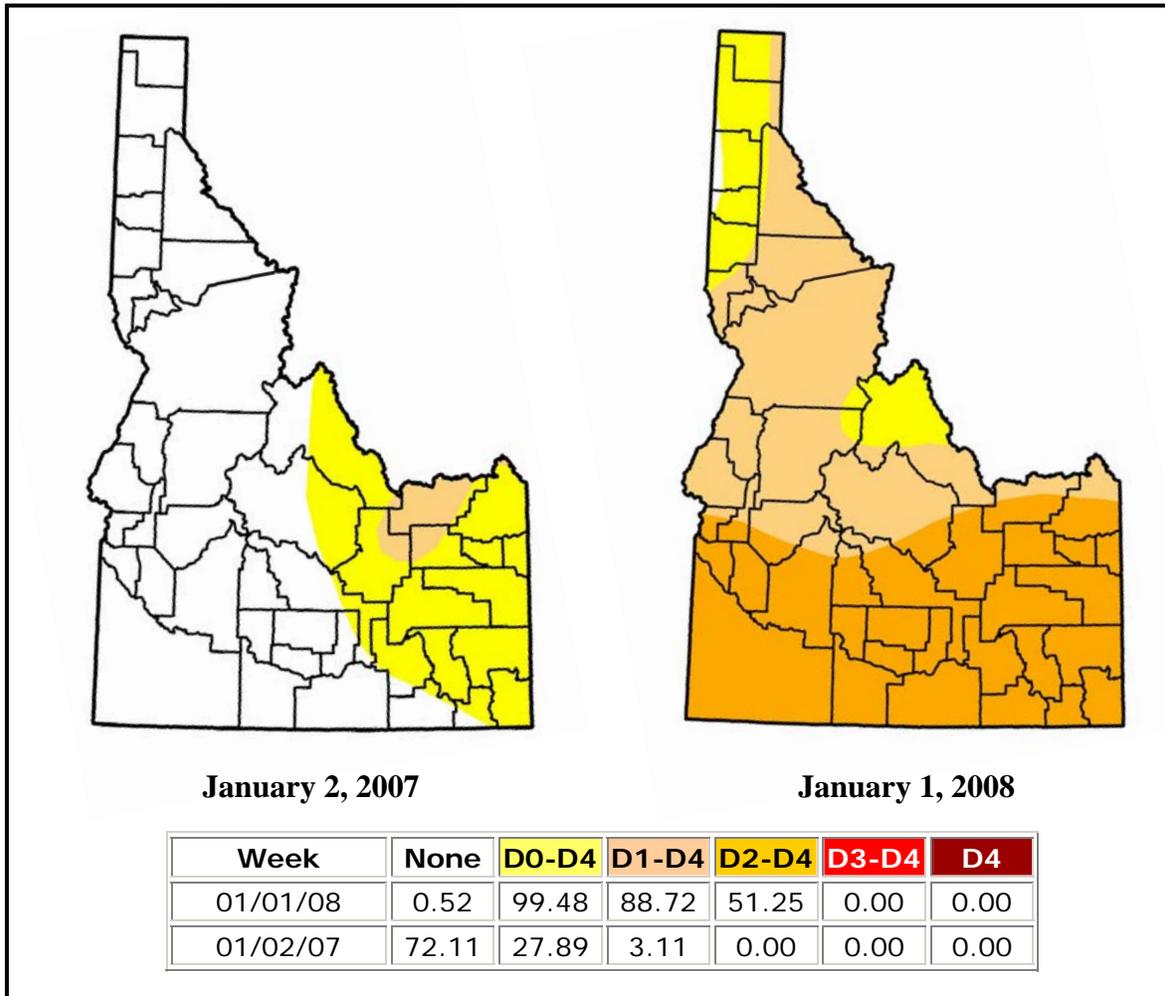
Snowpack

Great strides were made in Eastern Idaho's snowpack as the basin-average snow water equivalent (SWE) increased from 60% in November to 80% in December. A basin SWE summary is below.



Drought

No Drought Monitor (DM) changes occurred in Eastern Idaho for the month of December. The images below compare Idaho's DM last year to the current year.



December 2007 Hydrologic Product Summary

No hydrologic products were issued in December for the Pocatello HSA.

cc: Daniel Matusiewicz, Western Region WFO Hydrology Program Manager
Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center
Hydrometeorological Information Center
Rick Dittman, Meteorologist in Charge, Pocatello, Idaho
Jay Breidenbach, Service Hydrologist, Boise, Idaho
Drought Monitor Mailing List
Pocatello WFO Forecasters and HMTs